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# *The* **NEW TRAIL**

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- Honor for a Prophet
- The Brain Drain Again
- Spring Convocation '66
- On Founding a College

#### THE REG LISTER TROPHY

There is a portrait of the late Reg Lister, Superintendent of Residences, hanging on the wall in the rotunda of Lister Hall. Each year an annual trophy and cash prize of \$50 in memory of Reg are presented to a male student who has made a significant contribution to residence life.

We are pleased to present this year's beaming winner with his trophy, Richard "Rich" Welsh, 20, who hails from Milk River, Alberta.

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# NEW FILMS

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THE HOLE  
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STYLES OF LEADERSHIP  
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OF TIME, WORK, AND LEISURE  
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THE CHILD OF THE FUTURE:  
How He Will Learn.  
58 min. black & white - rental \$2.60

The life of an average human being as symbolized by the figure \*. As \* grows his ability to see and enjoy life is reduced by the dull routine frustrations of everyday living. When he becomes an adult he is unable to react freely to the world about him. He neither sees nor finds pleasure in new things until, through his own child, he reawakens to see the world anew.

An animated fantasy about moles, missiles, and mankind. The possibility of a final, fatal nuclear explosion is compellingly evoked in this vital but witty film. Two construction workers, in a hole, argue about accidents of different kinds. When there is an accident on the job the two men first interpret the sound as a bomb explosion.

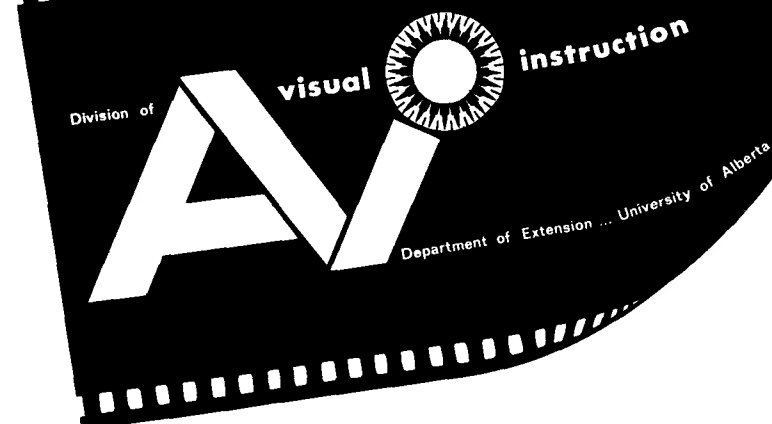
Presents a common business problem handled by four different types of leaders. The first executive tells his men exactly what to do and how to do it, the second leader sells the group on doing a good job, the third consults with his men to get their recommendations, while the fourth leader permits his men to join him in making the decision.

A documentary presentation of the concepts set forth in Sebastian de Grazia's provocative study by the same name. In our work-oriented, clock-dominated society we have won "time-off" but we have lost the ability to appreciate true leisure. ....  
.....National Educational Television.

The film examines some of the ways in which technology is being used in the classroom. Shows how schools and colleges are shedding their traditional apathy to machines and are now exploiting all manner of mechanical and electronic aids. The film provides the opportunity to observe the child's actual encounter with these new devices and to draw conditions as to their effect on the process.....

..Dr. Marshall McLuhan  
is host and narrator  
of program.

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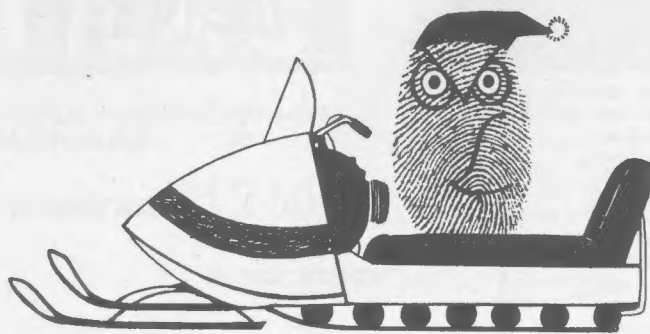
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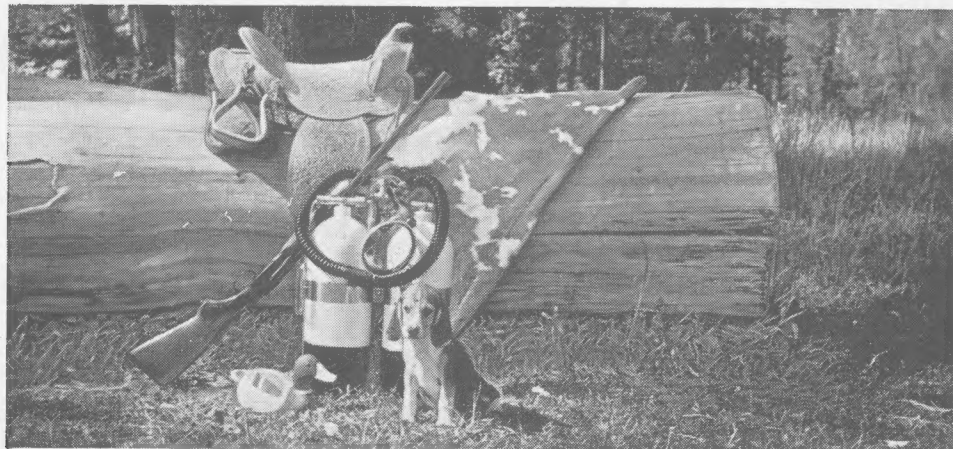
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*Honor for a Prophet . . .*

## *In His Own Country*

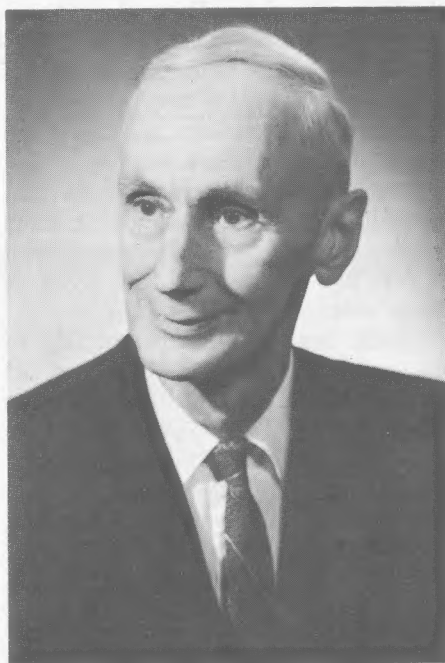
By Dr. L. E. Tyner

**R**ESearch has been defined as, "laborious, careful investigation". This definition is perhaps overly brief and it does not connote the most important factor of productive research-thought. The worker must first apprehend his problem and then think out how he will attack it experimentally. However, the serious, feet-on-the-desk thinking is needed in the interpretation of the results. Many important leads have been missed at this stage and some future researcher whose imagination is keener, or whose perception is sharper, repeats the work and fits together the pieces of the puzzle.

The University has been favoured by the presence of many excellent researchers. There is interest in speculating as to the number of important original contributions that have been published by staff and students throughout the life of this institution but it would be a most difficult task to discover all of the reports in the hundreds of journals that have served as media of publication. Fortunately, perhaps, every so often someone, somewhere undertakes to trace right back to the pioneers in a particular field of knowledge. Usually such a review leads to certain surprises. The work of researchers who were active thirty or forty years ago is brought to light and its relative value is assessed. Thus we often find that our own folk have attained eminence in the eyes of the outside world. It is the purpose of this article to tell what one

such outside observer has written of certain of our old guard in the field of plant pathology.

Dr. S. D. Garrett, Chief of Mycology, University of Cambridge, presented an invitational paper, "To-



G. B. SANFORD

ward Biological Control of Soil-Borne Plant Pathogens", at a symposium in Berkeley, California, in 1965. He quoted dozens of different research workers who have contributed to this field of knowledge but he rightly paid particular honor to three workers, now retired, who pioneered in original thinking on this

concept at the University of Alberta. I refer to Drs. G. B. Sanford and W. C. Broadfoot, Canada Department of Agriculture, Laboratory of Plant Pathology on the campus, and Dr. A. W. Henry, Plant Science Dept.

I cannot do better than quote Garrett's own words as he develops the groundwork for his paper.— "Sanford (1926) had, in fact, proposed not one, but two, concepts, the second of which was original in this particular context, and had integrated them into a concise hypothesis of biological control, as follows: (1) saprophytic microorganisms can control the activity of plant pathogens; (2) the microbiological balance of the soil can be changed by altering soil conditions; in particular the addition of fresh organic material will promote the activity and multiplication of saprophytes, which both by their competition for nutrients and for oxygen, and by their excretion, will depress the activity and multiplication of the pathogens. Sanford's hypothesis had the three merits of being easy to understand, of explaining and collating earlier observations, and of being open to experimental test."

Again to quote Garrett further.— "Sanford and Broadfoot (1931) then

**EDITOR'S NOTE:** Dr. Tyner has been a member of the Dominion Laboratory of Plant Pathology for several years and has himself contributed importantly to research done in this area.

Dr. Sanford and Dr. Henry still reside in Edmonton. Dr. Broadfoot makes his home in Lethbridge where he has been associated for several years with the Dominion Experimental Farm there.



W. C. BROADFOOT

provided experimental proof for Sanford's original hypothesis, by showing that infection of wheat seedlings by *Ophiobolus graminis* in sterilized soil could be completely suppressed by the antagonistic action of various coinoculated species of fungi and bacteria.

The impact of Sanford and Broadfoot's paper was soon reinforced by an extremely original and elegant demonstration from another Canadian worker, Henry (1932), that the influence of soil temperature upon the development of the take-all disease in glasshouse trials could be strongly affected by the interactions between the pathogen and other soil microorganisms. I still think, as



A. W. HENRY

I thought then, that this work of Henry's has been one of the greatest single feats of intellectual and experimental analysis yet to have been performed in the field of root-disease investigations."

These three workers are known to many of our readers, but it is improbable that anyone outside the discipline knows much about their work. The research discussed here is but one incident in the lives of these men.

Each has added substantially to the permanent, printed record of knowledge of the pathogens that threaten us. Their first steps have sought and found the solid ground that is needed before a foundation can be built.

## UNIVERSITY EXTENSION PROJECT IN COMMUNITY DEVELOPMENT

THE University has plans to undertake a substantial project in rural leadership training and community development through its Department of Extension.

Funds in the amount of \$153,000 will be provided over a five-year period through the A.R.D.A. (Agricultural Rehabilitation and Development Act). They will make possible a program of training in community development approaches and an expansion of the work in rural leadership training which the Department will provide for fifteen years.

The project has been planned in consultation with the major farm organizations of the Province and with officials of the Province's Department of Agriculture. It will provide for an expanded, graduated sequence of leadership training for rural people, and for formal and informal training in the community development process. The initiation of such training programs in community development, is of especial importance since government agencies, both Provincial and Federal, are using the community development approach extensively with Metis and Indian groups in the Northwest Territories and with rural groups generally. It is estimated that between 300 and 500 community development officers will be required in Canada in the immediate future.

To facilitate the development of this new program two additions will be made to staff. A rural leadership training specialist will assist in the planning and organization of a variety of effective, leadership training programs. A specialist in rural development will assist in the preparation of a variety of credit and non-credit training courses, act as a consultant to individual organizations in the community on problems faced in community development field projects, and maintain liaison with a variety of Canadian agencies and organizations doing community development work.

## *An Invitation to Swim . . .*

*Alumni of the University and their families are invited to swim FREE in the Winslow and Christian Hamilton Memorial Pool on the campus every Friday evening from 8-9 p.m.*

*The only requirement is an admittance card obtainable on request from the Alumni Office.*

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#### RHODES SCHOLAR '66

J. Andrew Brook has been named U. of A. Rhodes Scholar for 1966. The scholarship will permit him to attend Oxford University for three years commencing this Fall.

Mr. Brook is a graduate student having obtained a B.A. degree in honours philosophy in 1965

#### BIOLOGICAL STATION RENAMED

The Alberta Biological Station at Gorge Creek will henceforth be known as "The R. B. Miller Biological Station". The decision to change the name of the station was taken by the Board of Governors who felt that the late Dr. Miller's contribution to developing the concept of the station and carrying it through justified this course of action.

Dr. R. B. Miller taught Zoology at the University for 23 years and was head of the Department for three years prior to his untimely death in 1959. Dr. Miller was prominent in the Canadian scientific community and played an invaluable role in the development of conservation practices in Alberta. In 1950 he organized the Alberta Biological Station at Gorge Creek. The research he conducted there had a profound influence on fish cultural and fish management policies in North America.

#### THE BRAIN DRAIN AGAIN

The Economic Council of Canada has issued a special study by Louis Parai '59 entitled "Immigration and Emigration of Professional and Skilled Manpower During the Post-War Period".

The author concludes that between 1950 and 1963 Canada had an average annual gain of professional manpower of 2,314. One of every three architects and mechanical engineers in Canada in 1961 was a post-war immigrant. One in every five chemical engineers, physicians and surgeons, and economists, and one in every four civil and electrical en-

gineers or physical scientists was a post-war immigrant.

Mr. Parai's final conclusion is: "It may be conservatively estimated that it would have cost \$532 million (in 1961 prices) for Canada to have duplicated the additional university instruction, books and facilities embodied in the education of professional immigrants arriving in this country during the period 1953-63. In the same period, emigration of professionals to the United States accounted for the outflow of about \$292 million in educational costs, leaving an estimated gain of \$240 million on these movements."

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## FIVE TO FOUR YEARS FOR NURSING

The University's degree program in Nursing is to be reduced from a five to a four year program beginning in September. The new four year program leading to the degree B.Sc. in Nursing will be more in line with the programs offered at the Universities of McGill, Toronto, B.C., New Brunswick, and Manitoba and will be in accord with a recommendation of the Royal Commission on Health Services that "all University Schools of Nursing develop an integrated degree program and direct all phases of this program".

The new degree program will come under the direct control of the University rather than the former arrangement where the University Hospital gave part of the program. The University Hospital will however, continue to offer the diploma program for Registered Nurses.



Two three-month summer periods will be required for degree students, following the second and third years. According to the University's Director of Nursing, Miss Ruth E. McClure, the School is investigating the possibility of providing a subsidy for the students to cover such expenses as room and board during these two summer periods. She stated that the new program will be more academic due to the complete University control and will be more in keeping with other professional programs offered at the University.

Until 1969-70, at which time students in the current five year program will have completed requirements, enrolment in the four year program will be limited to 20-25 students each year.



### A FIRM HANDSHAKE

Fall Convocation 1965 was notable for many significant things, one of these being the presentation by Chancellor F. P. Galbraith (left) of an honorary Doctor of Laws degree to Rudolph Hennig, pioneer educator and well-known public servant.



### THE PAUSE BEFORE THE PROCESSION

At Fall Convocation, Walter B. Herbert (right), distinguished alumnus of the University and executive director of the Canadian Foundation, delivered the Convocation address. An interesting participant in the proceedings was Miss Mabel Patrick, first director of the School of Household Economics who along with Mr. Herbert received an honorary Doctor of Laws degree. Miss Patrick, in company with President Walter H. Johns, is seen shaking hands with Chancellor Galbraith.

## In Memoriam

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**G**EORGE FREDERICK McNALLY, former chancellor and affectionately known to so many in our University community, has passed away. For the past thirty years he has been a well-known figure in the platform group at Convocations.

Dr. McNally's association with the University of Alberta goes back to the very beginning of our institution. He was among those who registered in 1908 for AD EUNDUM degrees to make up the original membership of Convocation. A year later he enrolled as a graduate student in a Master of Arts program under President H. M. Tory and Dr. E. K. Broadus. He completed the program in time to have his name appear on the list of the first graduating class of the University in 1911.

Before coming to Alberta Dr. McNally had attended schools in his native province of New Brunswick. At Fredericton High School he received the Governor's medal in classics. He graduated in arts from the University of New Brunswick in 1900 with first class honours in classics. Some lectures in pedagogy and a few practice teaching lessons led to the grammar school certificate. He then taught for a few years in secondary schools in the provinces of Quebec and New Brunswick.

In 1906 young McNally came West to the newly formed Province of Alberta and accepted a position as English master in Strathcona High School. In 1910 he began his long and illustrious association with the Department of Education serving successively as school inspector, normal school principal, supervisor of schools, and deputy-minister.

The year 1946 was ANNUS MIRABILIS for Dr. McNally. In April, on the occasion of his retirement from the position of deputy minister, he received a large and beautifully bound book containing letters of appreciation from scores of friends and admirers across Canada. This book 'beyond price' had been compiled by Dr. W. H. "Bill" Swift, who succeeded Dr. McNally as deputy-minister. In May the University of Alberta conferred on G. F. McNally the honorary degree of Doctor of Laws. Nine years before, he had received the same honour from the University of New Brunswick. In September of the year 1946 he was named chancellor of the University of Alberta. Very soon after came the invitation to serve as a member of the Canadian delegation to the first general meeting of UNESCO in Paris.

The University of Alberta is the richer for the distinguished advisory and administrative contributions of Dr. McNally—first as member of the Senate 1936-1942, next as member of the executive committee of the Board of Governors 1942-1958, and finally as Chancellor 1946-1952.

With characteristic self-discipline Dr. McNally dedicated himself to a variety of activities in all of which he became respected for his sustained interest and wise counsel. There are many across Canada who link the name of McNally with Rotary International, Canadian Education Association, Baptist Church, or National Vocational Advisory Council.

It seems likely that G. Fred McNally will be ranked among the great educators of Canada. His record of service to the people of his country was outstanding. He will be remembered for his genial personality, his unswerving devotion to the education of youth, and the firm and forward-looking quality of his leadership.

—B. E. WALKER

## Four Year Program For Pharmacy

**T**HE three-year program in Pharmacy at the University is to be discontinued and, beginning next Fall, a new and compulsory four-year program will begin.

According to Dean Huston, this new program will bring Alberta in line with the seven other Pharmacy colleges in Canada and with those in the United States, all of which require four years in a degree program.

Dean Huston cited two important reasons for a required extra year in the Pharmacy program. First, with the increasing complexity, specificity, and dangers involved with the introduction of new drugs today, a pharmacist's knowledge and background must be much broader and deeper to keep abreast of this new knowledge. The extra year provides more time to digest this knowledge. Secondly, the 4th year enables the student to undertake a certain degree of specialization. The three areas in which the student may specialize are: pharmacy; hospital pharmacy, a rapidly expanding area; and pharmaceutical sciences, for those going into graduate work or supervisory work in food and drug laboratories.

Students currently enrolled in the three-year program will be allowed to continue, although they may also change to the four-year program in September.

The extra year also allows students who have taken 1st year University at another campus in Alberta to transfer to Pharmacy at the Edmonton campus in the 2nd year. Ultimately, with this increased training, the Faculty will be expand-



### NEW S.U.B. BUILDING MANAGER

The efficiency of facilities in the new multi-million dollar Students' Union Building when it opens next year will depend to a great extent on the direction given the new unit by David Cooper, newly appointed building manager.

Mr. Cooper attended Carlton University in Ottawa and before coming to Edmonton was comptroller of Canadian University Services with headquarters in Eastern Canada.

ing its program of continuing education to enable the practising pharmacists in the Province of Alberta to keep-up-to-date with new developments.

The Faculty enrolled 224 undergraduates and 16 graduate students

this year. According to the Dean, Pharmacy at the U. of A. has a pre-eminent position in Canada and the University is one of three in Canada to offer the Ph.D. degree in Pharmacy.



## *Some Interesting Aspects . . .*

# THE REVISION OF THE UNIVERSITY ACT

THE Revision of the University Act, a report of the Governors of the University of Alberta was submitted to the Government in January.

The extremely rapid growth at Edmonton and at the five year old new campus at Calgary, together with the prospect of additional institutions elsewhere, have inevitably created problems of University administration and government. It was felt necessary, therefore, to undertake a thorough review of the Act, especially in relation to University Government.

Many of the fundamental recommendations of the Board of Governors presented in the report are of special interest to graduates.

They are as follows:

(1) We recommend that the Provincial University's two campuses, at Edmonton and at Calgary, become two separate Provincial Universities, each under a distinctive name. We further recommend that any Provincial University which may be established in the future be likewise an autonomous and distinctively named Provincial University, unless it is a satellite campus of an already existing Provincial University. Each Provincial University should be subject only to such external control as may be given to the Universities Commission and the Coordinating Council in order to provide for co-operation and for coordination of effort to the end that unnecessary duplication may be avoided.

(2) We recommend that there be established a body corporate, to be called The Universities Commission,

which would make recommendations to the Government of the Province concerning the Provincial Universities, and which would be a body intermediary between the Government and the separate Boards of Governors.

At this time we consider that the Commission should concern itself only with degree-granting institutions. If, after Dr. Andrew Stewart's report has been received, it is considered that the jurisdiction of the Commission should be extended to include junior colleges, the recom-



mendations now being made should be reviewed and revised so to provide.

(3) We recommend that there continue to be a Coordinating Council to deal with matters of common interest to the Universities.

(4) We recommend that for each University there should be a Board of Governors, which would be a body corporate having the ultimate authority in all the affairs of its University. While its main role would

be fiscal and proprietary, the Board should be more than a mere trustee—it should also be concerned to see that the academic functions of its University are being carried out. We consider that in discharging its functions the Board should have well-defined methods of communicating and consulting with its General Faculty Council, and that the two bodies should act in the conjoint or cooperative exercise of their powers wherever indicated.

(5) We recommend that for each University there should be a General Faculty Council, which would be its senior academic body, having the main responsibility and immediate power in guiding its University's academic growth and in maintaining academic standards. Recognizing the inevitable intermingling of academic with many fiscal or proprietary matters, the General Faculty Council, under the authority of the Board, should have power of decision in some areas and power of initiation and of recommendation in others.

(6) We recommend that for each University there should be a Senate, which would serve as the "public conscience" of its University, providing for the explanation of public needs to the University, and of University needs to the public.

Under detailed recommendations and the heading "Boards of Governors" recommendations were:

(1) That each Board be a body corporate holding title to the real and personal property of its University, and having such other powers as are appropriate to it as a body corporate.

(2) That each Board should be composed as follows:

- (a) two statutory members
  - (i) the Chancellor of the University, and
  - (ii) the President of the University;
- (b) twelve members appointed by the Lieutenant-Governor in Council as follows
  - (i) two members of the Alumni Association, nominated by it;
  - (ii) one lay member of the Senate, nominated by it; and
  - (iii) a Chairman and eight other persons.

Each of the appointed members should be appointed for a term of three years and, on expiry of his term of office, hold office until his successor is appointed.

Of the first-appointed members in (b) (i), one should be appointed for a term of three years, and one for a term of two years;

Of the first-appointed members in (b) (iii), the Chairman and two others should be appointed for a term of three years, three for a term of two years, and three for a term of one year;

An appointed member should be eligible for re-appointment for a term of three years, but not for a further appointment until the expiration of a period of three years after his second term has ended;

Further to the recommendation that there be a Senate for each University, the Board of Governors recommended:

(1) That a Senate should be composed as follows:

- (a) statutory members
  - (i) the Chancellor,
  - (ii) the President,
  - (iii) the Vice-President (Academic), if any,
  - (iv) two Deans appointed by Dean's Council,
  - (v) the chief academic officer for student affairs,
  - (vi) the Director of Extension or, lacking such an officer, a comparable officer named by General Faculty Council,
  - (vii) the President and the Vice-President, Alumni Association,
  - (viii) two other members of the Alumni Association, appointed by the Association,



#### PROFESSORS EMERITUS HONOURED

At a recent ceremony the Friends of the University presented \$1,000 worth of books to the University in honour of eight professor's emeritus who had devoted outstanding years of service to the Faculty of Arts. At the presentation ceremony the Friends paid tribute to (left) Dr. John Macdonald, Philosophy; Dr. J. M. McEachran, Philosophy; M. H. Long, History (represented by Mrs. Long); Dr. Francis Owen, German; J. T. Jones, English; and Dr. W. G. Hardy, Classics.

- (ix) two members of the Board of Governors, appointed by the Board,
- (x) three members of General Faculty Council, appointed by that body,
- (xi) five members of the public appointed by the Universities Commission, and
- (xii) two students appointed annually by the Students' Council.

(b) thirty "appointed members" to be named by the statutory members for terms of three years, renewable for a further term of three years. These should include some representation from affiliated colleges. Attention should also be directed to representation from geographical areas and from groups and organizations with an interest in the University. The initial appointments should be so arranged as to provide for rotation of membership.

(c) The members referred to in (iv), (viii), (ix), (x) and (xi) of

(a), being appointed by statutory bodies, should have terms of office the same as for the appointed members named by the statutory members.

(2) That the Chancellor should be elected by the Senate, and that he should be Chairman of the Senate.

(3) That provision be made for a member to vacate his office if the Senate declares that he is incapable of fulfilling his duties as a member.

(4) That provision be made for a vacancy in the Senate to be filled.

(5) That there should be an executive committee of the Senate consisting of the Chancellor and six other members to be selected annually by the Senate.

(6) That it be the duty of a Senate, and it should have power, to inquire into any matters that might tend to enhance the usefulness of its University; and the Senate should report the result of any such inquiry and make recommendation in respect



thereof to the Board and to the General Faculty Council.

(7) That, without derogating from the generality of the foregoing, a Senate should specifically have the power

(a) to make regulations pertaining to its meetings and transactions, and for the delegation of its powers as it deems fit;

(b) to authorize the conferring of honorary degrees;

(c) to nominate to the Lieutenant-Governor in Council, as required, one member of the Senate to be a member of the Board of Governors;

(d) to request, as it deems advisable, written or oral reports from the various Faculty or Student Councils or teaching members of its University, and, as a result of such reports, to make such recommendations to the Board, the coordinating Council, the General Faculty Council, or the Universities Commission as it deems fit;

(e) to receive submissions, written or oral, from any person or body interested in its University, and to make any recommendations it deems advisable to the Board, the Coordinating Council, The General Faculty Council, or the Universities Commission;

(f) to hold public meetings and to make arrangements for radio and television programmes and other publicity appropriate to its role.

(8) That each Senate, on approval of its budget by its Board, should be

provided with funds in accordance with such budget for its operations, to cover the cost of staff, supplies, and such other expenses as may be incurred in exercising its powers and discharging its duties.

The recommendations of the Board of Governors respecting Chancellors of the University are also of interest. They are:

(1) That for each University there should be a Chancellor who should be elected by the Senate.

(2) That a Chancellor should hold office for one term of four years, and not be eligible for re-election. This should not preclude a Chancellor from being appointed a member of the Senate after completing the term of his office.

(3) That provision be made for the election of a Chancellor promptly when a vacancy occurs, and that in the interim the functions of the Chancellor be exercised by the President as Vice-Chancellor.

(4) That the Chancellor preside and confer all degrees at the degree-conferring ceremonies to be known as Convocation; and that provision be made by Deans' Council for alternative presiding officers to act in the absence of both the Chancellor and the Vice-Chancellor.

(5) That the present Chancellor should be declared to be the Chancellor of the University at Edmonton for the period equivalent to the residue of the term for which he was elected.

## THREE MILLION BOOKS BY '76

**L**IBRARY holdings at the University of Alberta, which today total approximately half a million volumes, are expected to increase to three million volumes by 1975-76. This was a recent recommendation of the University library committee which was approved by the University's General Faculty Council.

Library building expansion will also take place during the next decade. The committee recommended that construction begin soon on two wings to the Cameron Library and that library space in the Education Building be expanded as soon as possible. Specialists in the field of library development are already advising the University on the construction of an additional major library building on the campus.

The library committee under the chairmanship of Dr. E. J. Hanson,



Associate Dean of Graduate Studies, cited a number of reasons for urgent need of library expansion during the next ten years. They are: (1) the continuous increase in total enrolment; (2) the tripling or quadrupling of graduate students within the next decade; (3) the accelerating rate at which information is being made available in the world and the necessity of keeping students and scholars abreast of new knowledge; (4) the need for large collections due to Edmonton's geographic isolation from other major collections; and, (5) the urgent need to increase specialized holdings in the humanities and social sciences which currently are inadequate.

## SPRING CONVOCATION '66

*Four honorary Doctor of Laws degrees will be awarded by the University in Edmonton at two Spring Convocations. Selected by the Senate to receive the LL.D. on Tuesday, May 31st, are the Honorable J. W. G. MacEwan, Lieutenant-Governor of Alberta, and Professor A. L. Burt, celebrated professor of Canadian history, now retired. On Wednesday, June 1st, the University will similarly honor G. R. A. Rice, President and General Manager of the Sunwapta Broadcasting Co. and Mrs. Catherine. (Kate) Andrews, pioneer in educational development within the province.*

## ON FOUNDING A COLLEGE

**A**RCHITECTS have the blueprints of Red Deer's Junior College. Construction may begin this spring.

So well was the ground laid for the recent announcement of Alberta's minister of education the Hon. R. H. McKinnon, that Red Deer Junior College, now housed in an extension of the city high school, may soon move on-campus.

This signifies more than the college site, 200 acres near the by-pass, convenient for travellers approaching Red Deer from both north and south.

It signifies completion of detailed planning by the Junior College Board and the Red Deer School Board. The chairman of both is Mrs. W. B. Parsons '34. She is the only women member of the college board and in her 10 years with the school board she has been chairman for six years.

A provisional board for the Junior College was set up in 1963 and incorporated in 1964. Mrs. Parsons led the members in making their representations to the government for the building and to apply for affiliation with the University.

She says that the builders' committee did the lion's share of the work as preliminary planning for building on the site—the City of Red Deer gave 120 acres, the college board purchased 80 acres.

Even so, Mrs. Parsons admits that a big task was canvassing the adjacent counties to enlist their co-operation. That meant speaking tours for all, including Mrs. Parsons, who stumped the country for the college and found co-operation everywhere.

She says the heart of the new campus will be the library, centering buildings of arts and sciences.

Red Deer friends say that Mrs. Parsons is the dynamo of the whole project. Mrs. Parsons herself quotes the Calgary superintendent of schools that women in education fields act as catalysts, sometimes the irritants "and in this I would agree".



### A TEA FOR ESTHER

After 37 years of service with the University, Miss Esther Miller of the Student Awards office, has retired. Miss Miller, a 1927 graduate in Arts, began her career with the Registrar's Office in 1928.

On the eve of her retirement the University honoured Esther at a farewell reception and tea. Seen chatting on this happy occasion are, left, Dr. Mabel Patrick; Miss Hazel McIntyre; Esther; Dr. Beth Empey; and Miss Grace Duggan.

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# A NON-CHEMICAL REVIEW

of the

## CHEMISTRY DEPARTMENT

BY DR. REUBEN B. SANDIN  
*Professor Emeritus*

●

THE University of Alberta Chemistry Department began when the University began in 1908. The department was first housed in the Collegiate Institute (later High School) which was located in Strathcona on the south side of the river. It then moved to the north wing of Athabasca Hall, then to the second floor Arts and from there to the west end of the Medical Building.

The first man in charge was Dr. A. L. F. Lehman, born and raised in Ontario, and who received his chemical education in Ontario (Toronto, Guelph) and later in Germany (Leipzig). Dr. Lehman had a wide knowledge of chemistry, which was possible in those days, and so he taught everything from "soup to nuts". He taught organic, inorganic and analytical chemistry, and such things as "soils" and "feeds and feeding" to the Agricultural students. He was a fine teacher and a dedicated one and this was only exceeded by his great kindness and his great concern for his students and for all of humanity. He hated sloppy lab. techniques and so introduced the "black mark" system for sloppiness. This was dropped because it involved too much bookkeeping. Instead the

student was reprimanded but no enemies were made and no ill feeling was generated. Ten minutes after the reprimand the same student might be eating strawberries and cream with Dr. Lehman or the student might be accepting an invitation for the next morning's meal which invariably would be porridge with cream, hot cakes and bacon and strong coffee. The students loved it—the reprimands followed by hot cakes and bacon.

Dr. Lehman also did original work whenever he had time. The nature and spread of his work is indicated by some titles taken at random:

1. Seventh Annual Report of the Agricultural Chemist for the year 1905-06. A. Lehman, Department of Agriculture, Mysore State, India. (Dr. Lehman spent 10 years in the Indian Civil Service. One of his slogans was "never join the Civil Service").

2. 1912—Relation between the amount and severity of mental work and excretion of  $\text{CO}_2$ . (German reference available).

3. The Tar Sands of Alberta. Can. Chem. J. 2, 196-7, (1918). In this he says "the refining of the oils is very difficult" and "on oxidation with  $\text{HNO}_3$ , oxalic acid is invariably

the final product". (After 5 decades the tar sand situation is still pretty much the same.)

Dr. Lehman suffered unnecessary and cruel persecution during the 1st World War. His German name and ancestry made some of the "solid" citizens across the river and one high official on the campus suspect him of delivering Alberta tar sand secrets to the German Kaiser. The mental anguish which this produced was noticeable in Dr. Lehman's lectures. Students were sorry and sympathetic. They understood. They were his friends.

Dr. Lehman himself was reprimanded by one "higher up" because there were no chemistry department minutes, no minutes because no meetings, and no meetings because there was nothing to discuss. There was no money to spend, no buildings to build, no graduate students, no T.A.'s, no new courses, no new equipment, no research grants (to the administration "research" was a bad word), nothing to talk about. So the chemistry department decided on one meeting a year, just to have some minutes, and the minutes were and remained so for many years viz.

Professor so and so present.  
Minutes of a year ago read and passed.

Passed that in Chemistry X, 15% failed.

Passed that Mr. Jones write a supp. in chemistry X.

Meeting adjourned.

Outside the chemistry department the committees and their meetings were legion and everyone was supposed to attend. It had a deadening effect. Before you knew it you were part of the establishment of bureaucrats and there was no escape. You knew it was true but you dared not put it into words or actions. You dared not mention red tape or monotony and all the while your mind kept coming back to those beautiful crystals. They should be filtered and put on a watch glass.

The feeling to leave the committee meeting is overpowering. Then someone says "Should Mr. X get 49 or 50%?" And someone else says "Let's raise it to 51%." Then someone who is a little brighter than the rest says "Who'll make it 52%?" And by now you are glued to your chair and you are hungry as well as tired. But where are those crystals so beautiful, so full of the mystery and poetry of all creation? Where is the chemist I once knew? I am sure he was there in the beginning. Where is he now?

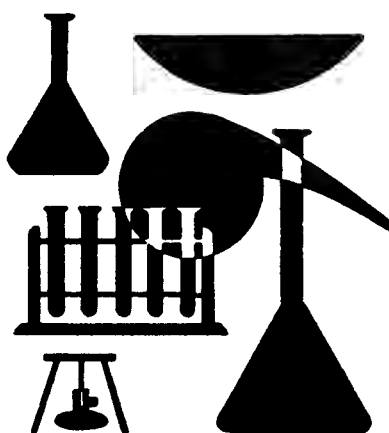
Those were the days of Jena glass, Merck (Darmstadt) chemicals and Bunsen burner gas generated in the little brick building behind Athabasca Hall. The little building is still there. The gas was made by dropping a stream of kerosene on red hot iron (students' first introduction to "cracking"). These were happy days and also sad and frightening days. The 1st war was being fought and many fine students and professors never returned. The dreadful flu epidemic was in full swing and Pembina Hall became a Hospital for the sick and dying. Students were sent home and again many never returned. In the fullness of time the more fortunate students and professors did return and there also returned the peace which comes from hard and satisfying work.

Associated with Dr. Lehman was Alfred Denys Cowper who taught physical chemistry and who was an excellent lecturer. He did no research. He seemed to be a very quiet and lonely man and spent his spare moments playing the ukulele, fixing his bicycle, barbering his own hair and on Saturday afternoons he would be sitting in the front row in Pantages theatre (a Vaudeville house on Jasper Avenue). Once Cowper opened his mouth maybe out of turn. That was at the end of a Science Association Meeting at which J. B. Collip (Biochemistry, U. of A.) had given a fine talk on his work concerning the electrical conductivity of blood. Cowper got up

and said "I don't see how anyone can get the conductivity of a bunch of jelly bags". Little did people realize that J. B. Collip was to share in the Nobel prize for work on insulin.

Cowper one spring did not show up. Some people said he had gone back home to work for Donnan and his membranes. Others said that Cowper was selling radio equipment, etc., etc.

Then there was William Hatcher from McGill, who taught organic. Hatcher was a delightful person, a good teacher and a fine researcher ( $H_2O_2$ ). After a number of years



Hatcher returned to McGill and was professor of chemistry at that university for a very long time.

W. F. Seyer (Botha, Alberta) was a graduate assistant in the department and became so because he was the first graduate in Honors Chemistry from the University of Alberta. Seyer was a brilliant student but annoyed people with his sarcasm. Minus the sarcasm (which always had some humor in it) Seyer was a dandy fellow and had some good jokes to tell. If a student was too long drawn out in a tale of woe, Seyer might tell the student, "Well, it sure sounds pretty bad. The only way out that I see is for you to go out and shoot yourself." (George Govier will verify this. George was a student of Seyer at UBC). Seyer told his students to read their chemistry text books and for relaxation to read Kant's "Critique of Pure Reason".

Whether Seyer was joking or not no one knew. He went from the U. of A. to McGill, then to U.B.C. where he built up the department of chemical engineering to the extent that it was rated by a team of chemical engineering experts as one of the best in Canada. From U.B.C. he went to U.C.L.A. where he says he is still on the staff because he plays a good game of tennis. Seyer with V. K. Kriehle carried out the careful low pressure fractionation of Alberta tar sands oil (13 pure hydrocarbons from  $C_{11}H_{22}$  to  $C_{25}H_{54}$  were isolated—no double bonds and some tricyclic systems), J. Am. Chem. Soc., 43, 1337-49 (1921).

Drs. E. H. Boomer, N. Stover, O. Bridgman and O. J. Walker became members of the department during this period, though later than Seyer. Boomer (U.B.C. and McGill), was outstanding for his teaching of physical chemistry and for his research which covered a wide field. He did much high pressure hydrogenation and was rated another Homer Adkins. He hydrogenated the tar sands, wheat straw, oat hulls, saw dust, etc. These materials though may have been a cover up for the basic high pressure research he was so interested in. Boomer from a personal standpoint, was described as a "straight shooter". He disliked the great number of committees because they interfered with teaching and research. In particular, he disliked the Freshman Committee. One of Boomer's very brilliant students had been advised by this committee to go home and stay there. Boomer knew a much better way because he gave encouragement when and where it was needed. Boomer's student assumed great stature in chemistry and is now one of the Vice-presidents in charge of Monsanto Research.

Boomer died and the gloom that settled stayed for a long time. The U. of A. had lost a brilliant scientist and hundreds of people had lost a wonderful friend.

Norman Stover is best described as another Boomer. Some people described Boomer as another Stover.

Stover (Honors Chemistry, U. of A.) did his graduate work at Illinois and was part of the Hopkin's group doing work on the rare earths. He gave a course in general chemistry which for many years was considered a classic from the standpoint of content and delivery. Stover was not a robust man (neither was Boomer) but in spite of this did some excellent research. After a lingering illness, Stover died. Again the gloom moved in and did not move on for a long time.

Both Stover and Boomer (others too) were victims of an establishment which gave no encouragement to anyone. One president who saw the light said that a grave injustice had been committed. Stover in time was given the place he so richly deserved and another president saw to it that Boomer was put in charge of chemical engineering. Boomer was an undergraduate in chemical engineering and was the only chemical engineer on the campus and probably the most outstanding one in Canada.

O. J. Walker (Saskatchewan and Harvard), O. Bridgman (Saskatchewan and Harvard), and J. W. Shipley (Manitoba and Harvard) are classed together because their chemical training was very much the same. They were influenced by Harvard's T. W. Richards whose magnificent work in the field of atomic weights was the most accurate quantitative work possible. So analytical work came into its own and it also was an era of calibration. Everything was calibrated; weights, thermometers, pipettes, flasks, cylinders, etc. Walker gave a splendid course in quantitative chemistry and his students worked on the iodine and fluorine contents of just about everything drinkable and edible. Bridgman did not stay long and went to Washington, D.C. Shipley went as analytical man to the Valley of 10,000 Smokes with the National Geographic Society. He also did much work on alternating current electrolysis. Shipley followed Lehman as

Head, and Walker in turn followed Shipley. These were the days of the II World War and the Great Depression. Fred Irwin (Honors Chemistry, U. of A. and later Cal. Tech.) went overseas and was killed over Germany. There is now the Irwin Memorial Prize in Chemistry. People have asked, "Why was Fred Irwin willing to die?" Maybe the answer is found in, why did he treat his laboratory equipment with such seeming tenderness, and why in the early spring did he linger along the river bank on his way to chem classes? His best friend Don Clark (Honors Chemistry, U. of A., Ph.D. Cal. Tech.) went overseas and was lucky and is now in molecular biology at the University of Toronto.

This too is the era of the new nomenclature (work-shop, ethnic groups, etc.) and you also hear, "If



I am Assistant General this year, then maybe next year I'll be General". So you wonder what this is all about. Did you spend 8 years more or less, training to be a chemist or not? Do you become a committee man and a smooth talker? Some take the easy way, because it's so easy to put on a report card. Some are afraid of being classed as nobodys, stupes, 2nd class citizens. Or do you do like Boomer and grasp someone by the shoulder while there is time? And do you try to do a splendid best with the training you have and in the field in which you are. You take your pick. You are

true or untrue to those crystals which are so true to you.

And finally come, but not properly in the early history of the department viz. Walter Harris, Bob Brown, Stu Davis and Jack Morrison (3 out of 4 have their phone numbers listed). Without too much talk suffice it to say that these four gentlemen are splendid in their teaching and in their research.

The alpha was Adolph Lehman and now the omega is Harry Gunning. Harry came because the department wanted him and not because he wanted the department. How could anyone want a bunch of broken down plumbing, desks and equipment, and all the dirt accumulation over the years? And this went along with a bunch of discouraged chemistry professors who were at the low point of the curve. But Harry heard the cry, "Come to Macedonia and help us", and thank God he came. He came to help and what a splendid job he has done. He is the Head, but he does not behave like a Head, or a Dean or even a President. For this he is respected. To this respect is added the respect for his great scientific achievements.

P.S. Dr. Gunning has surrounded himself with chemists who can't be beaten.

## MORE OFFERS THAN STUDENTS

Dr. C. F. Bentley, Dean of the Faculty of Agriculture, has been informed by the Student Placement Office on the Edmonton campus that graduating students in Agriculture are receiving as many or more job offers than students graduating in any other program at the University. The shortage of students graduating in Agriculture is so great that salaries have increased about 25% in the last 3 or 4 years and for 1966, starting salaries will average near \$6,000 for graduating students in Agriculture.



# on the CAMPUS

The University's 1966 Varsity Guest Weekend in February was probably the most ambitious ever planned, with an annual open house designed to give visitors a picture of campus activities ranging all the way from research projects to folk singing. Novel events this year included a fine arts festival, a teach-in, and a campus-queen contest.

A wide variety of social activities was planned for the weekend and also for the first time the University crowned a "Miss U. of A."

For theatre buffs the Jubilairs Club produced "Li'l Abner" which appeared at the Jubilee Auditorium. Coffee parties and receptions were held about the campus and alumni activities honoring the special silver and gold classes of 1916 and 1941 reached their culmination at the Alumni Homecoming Banquet and Ball at the Macdonald Hotel.

In a final compilation of statistics, enrolment figures for the 1965-66 Winter session at the Edmonton campus were announced recently. Full-time, day-time students total 10,223, an increase of almost 1,000. In addition, part-time and extramural students and students at affiliated institutions bring the total Winter enrolment to 12,754.

It is significant that the Faculty of Graduate Studies enrolled 1,125 full-time students, an increase of almost 200 over last year's figures, plus 283 part-time and extramural students, making a grand total of 1,408, over 10% of the total registration. Dean McCalla attributes this increase in part to a greater emphasis today on some disciplines within the humanities and social sciences and to the increasing expansion of post graduate work on campus which he estimates will continue to increase steadily for a number of years especially as new buildings become available with more facilities for graduate research.

The Education Faculty continues to have the largest full-time enrolment with 2,724, followed by Arts, with 1,601, and Science with 1,357. The other full-time enrolment

figures are as follows: Engineering, 850; Business Administration and Commerce, 608; Medicine, 315; Physical Education, 284; Agriculture, 281; Pharmacy, 212; Dentistry, 192; Nursing, 172; Law, 170; Household Economics, 152; Rehabilitation Medicine, 91; Medical Laboratory Science, 62; and Dental Hygiene, 37.

The hopes and dreams of the students' union for four years began to take shape in December when the first sod was officially broken to begin construction of the new students' union building. The building has been in the planning stage for four years, and is entirely planned by the students. Dr. Johns hailed the building as "a very major project in the development of the University".

Included in the new building will be an art gallery, a non-denominational meditation room, 750-seat cafeteria, 500-seat snack bar, a 750-seat theatre, curling facilities, bowling facilities, a ballroom, lounges and offices for student organizations and publications.

The building will be financed over a period of 31 years, with the students paying for 65 per cent of the project and the University being responsible for the rest for services it will operate there.

At a ceremony recently the Friends of the University presented \$1,000 worth of books to the University in honour of eight retired professors of outstanding merit.

The eight men honoured were all noted professors in the Faculty of Arts. Most of them attended the ceremony. They are: Prof. W. G. Hardy, former Head of the Department of Classics; Professors R. K. Gordon and J. T. Jones of the English Department; Prof. M. H. Long (now deceased) of the History Department; Professors John Macdonald and J. M. MacEachran of Philosophy; Prof. Francis Owen of the German Department; and Prof. Edouard Sonet of Romance Languages. Appropriately, the books presented all were related to the above-mentioned departments.

A television series called 'Campus Sport Special,' a look at the total athletic picture



**GIFTS FROM GRADUATES**

Earlier in the year Dr. Jack Bradley, President of the Alumni Association, seated left, presented \$6,000 worth of cultural amenities to the students in the two new residences on the Calgary campus. The gifts, compliments of the alumni of the University, included pianos, hi-fi and stereo sets, and collections of reference and good reading books.

Along with Dr. Bradley, the other gentlemen registering their approbation at the presentation ceremony are: Dr. H. S. Armstrong, President of U.A.C., seated at the keyboard, and Allan McQuarrie, left, president of the Calgary branch of the U. of A. Alumni Association; Alex G. Markle, executive secretary of the Alumni Association; and Hugh Bessell, president of the U.A.C. Alumni Association.

at the University has been initiated Saturday afternoon's for 14 consecutive weeks.

The program features videotapes of a variety of University sports including basketball, gymnastics, hockey, fencing, swimming, judo, volleyball, and wrestling.

The television series represents a real breakthrough in inter-collegiate sports in that no other University in Canada receives such extensive TV coverage of a wide variety of campus sports. The first show of the season, in January, featured an exhibition basketball game between the University and Tennessee State, a top-ranking American College team.

The campus is to have a new print shop building. The four-storey, red-brick structure will be located north of 89th Avenue on 116th Street set back 40 feet from the curb. The gross area of the building will be approximately 54,000 square feet. The print shop will be located in the basement. The first floor will provide space for duplicating services, technical services, campus patrol, and the superintendent of buildings. The 3rd and 4th floors will be used as temporary teaching laboratories, accommodating nearly 3,000 students taking first year chemistry and biological sciences. These 2 floors will relieve to a great extent the very desperate science laboratory situation for the next three years. Construction was to begin in February and completion is slated for August, 1966.

An agreement has been signed between the University of Alberta and the Royal Alexandra Hospital which formalizes the working relationship between the Faculty of Medicine and the Royal Alexandra Hospital and allows for the development of certain clinical facilities within that Hospital to supplement those presently existing or proposed for the University Hospital.

For many years the Royal Alexandra Hospital has been associated with the Faculty of Medicine and the medical staff of the Hospital has played an active and important part in the medical undergraduate and graduate clinical programs of the faculty. Many of the members of the medical staff of the Hospital have part-time appointments in the Medical faculty and the Hospital has provided limited facilities for clinical instruction. The increased emphasis on clinical experience for both medical undergraduates and graduate students and the expanding numbers of students involved, have made it desirable to formalize a working relationship.



#### SILVER CLASSMATES . . .

It isn't always possible to induce the President of the Students' Union, 25 years removed, to return to his Alma Mater for Homecoming. This year we had the pleasure of welcoming Dr. Jack Neilson and Mrs. Neilson from Winnipeg. "Jack", who graduated in Dentistry in 1941, his presidential year at the U. of A., is now Dean of Dentistry at the University of Manitoba.

The second of four conferences to prepare a nation-wide plan for higher education in nursing in Canada has been held at the University. Delegates included directors of University schools of nursing, representatives of voluntary and official health agencies of the four western provinces and representatives of provincial and national nurses' associations. The conference discussed each University's plans for nursing education beyond the bachelor-degree level.

Grants, gifts and donations totalling \$400,540 have been received by the University. Most are continuing grants for research projects already underway on the Edmonton and Calgary campuses.

Among the larger instalments received were \$154,000 from the National Research Council and \$107,060 from the Land Conservation and Utilization committee. Also received was \$58,052 from the National Cancer Institute of Canada and \$17,850 from the Alberta Heart Foundation.

Dr. Max Wyman, University vice-president, explained that instalments on the grants come in regularly during the year. They are going up steadily each year.

Most are intended for staff members to carry out research projects.

Open house for University faculty and staff recently honored Miss Esther Miller at the Faculty Club. She has retired after 37 years on staff, first as chief clerk and supervisor of the registrar's office, latterly as scholarship secretary in charge of student awards. She graduated in arts in 1927.

Dr. Walter H. Johns presented a water color painting to Miss Miller on behalf of the faculty. Tea was served the 100 guests who joined the party in her honor.

Now campus life becomes summary. When Esther Miller graduated she recalls that there were around 2,000 students. Now there are about 10,000.

And as chief clerk in the registrar's office when the men in the armed services returned from war to school, she marks that year as the milestone. The University enrolment doubled. The changes have since multiplied accordingly. Faculties, schools, buildings, staff, have kept pace with enrolment and enrolment has crowded in to greet the new opportunities the University continues to offer.

The campus in September was always a thrilling time. But there will be compensations. Esther Miller now looks forward to September travel and an eastern Canadian autumn.

Mornings will mean a stint at the typewriter. She's planning to write. Afternoons will mean hours at the easel. She intends to paint. This spring Miss Miller will leave for Portugal and Sicily, particularly to see the ancient Greek temples of Sicily . . . something she has always wanted to do.

Dramatization of a novel by Dr. Henry Kreisel was the first CBC-produced Bob Hope Theatre Production of the season. Dr. Kreisel, head of the English department at the University sold the rights to his novel "The Betrayal", to the Canadian Broadcasting Corporation. Adaptation has been done by Alvin Goldman. The one-hour drama is a suspense story set in a western Canadian city.

Dr. R. U. Lemieux of the department of chemistry has been awarded the C. S. Hudson award in carbo-hydrate chemistry of the American Chemical Society. The award is made in recognition of outstanding leadership in the field of carbo-hydrate chemistry and research.



# ALUMNI

'23

**Dr. W. G. Jewitt**, president of Pine Point Mines Ltd., was a recent visitor in Edmonton where he addressed the Northwest Chamber of Mines and Natural Resources.

Dr. Jewitt is probably the world's leading authority on the huge lead-zinc deposits in the Pine Point area of the Northwest Territories, having directed development work there for C.M. & S. for the past 35 years.

'25

**G. J. Bryan** has been elected president of the Law Society of Alberta.

'27

One of the University's most distinguished graduates **R. Lovatt Dickson** was in Edmonton recently visiting old friends and arousing interest in one of his favourite projects—the establishment of a scholarship in the humanities for Canadian students at Cambridge University.

Mr. Dickson has had a long and distinguished career in publishing in the United Kingdom, ending with the position of head of the Macmillan Company of London, one of the leading publishing companies in the world.

'33

**P. N. Pitcher** has been named vice-president of the Minerals Division of Falconbridge Nickel Mines Limited with headquarters in Toronto.

'37

The new President of the Institute of Chartered Accountants in Alberta is **Alan W. Bell**.

'38

The John Scott Award of the Philadelphia Directors of City Trusts was presented recently to **Dr. Frank T. McClure**, chairman of the Research Center of the Johns Hopkins University Applied Physics laboratory. Dr. McClure was honored for his invention of the satellite Doppler navigation system now being used to fix with high accuracy the positions of ships by means of satellite signal.

'41

A native Edmontonian has been promoted to the rank of Commodore in the

Canadian Navy. **Roy V. Henning**, is assistant chief of technical services at armed forces headquarters in Ottawa. Commodore Henning remained in the Canadian Navy after the war and, at one time, was assistant naval attache in Washington.

**Lloyd Wilson**, a man of many and varied interests, has been named the President of

the Alberta and Northwest Chamber of Mines and Natural Resources.

**R. F. Bailey** has been appointed Manager of the Chemical and Fertilizer Sales Division of C.M.S. at Montreal.

'42

**J. H. Martin**, is now vice-president of Marine & Land Communications Division of the Canadian Marconi Company.

'44

**J. A. Webb**, superintendent of buildings and grounds at the University of Alberta, Calgary, has resigned to take a new position as director of campus planning at the University of Victoria, B. C.

**John E. Myers** has been appointed head of the department of Chemical Engineering at the University of California, Santa Barbara, California.

'45

**R. G. Lewis** is now a research engineer in the technical library of C.M. & S. at Trail, B.C.



THE PRESIDENT'S RECEPTION

The morning following the Annual Homecoming Banquet and Ball a traditional welcome is extended by Dr. and Mrs. Walter H. Johns to the gold and silver graduates. At this year's coffee party at No. 1, University Campus, there were a number of distinguished gentlemen present. Seen left, G. W. Patterson, Edmonton, Law 1916; Dr. William McIver, Penticton, Dentistry 1941; Rev. John Geeson, Edmonton, Arts 1916; Dr. Jack Neilson, Winnipeg, Students' Union President 1941; Dr. H. A. Dyde, Edmonton, Arts 1916; and President Walter H. Johns.



**William B. Jackson** former area manager of the Canadian National Railways mountain region, has moved to Calgary as vice-president of Standard Holdings Ltd.

'47

**J. F. Buckingham** has been appointed to special duties in the Metallurgical Division of C.M. & S. at Trail, B.C.

'48

**V. F. Mark** has been appointed secretary-treasurer of Refinery Engineering Limited.

**D. L. Brandell** has been appointed treasurer of the Board of Directors of Medical Services (Alberta) Incorporated.

**H. W. Beckett** has been appointed assistant superintendent of construction, C.M. & S.

'49

**A. R. Nielsen** is exploration manager for Socony Mobil Oil of Canada Ltd. He has also been elected a vice-president and a director of the company.

'50

One of a team of scientists at Princess Margaret Hospital in Toronto, **Dr. W. R. Bruce** has been instrumental in a discovery which may lead to a break-through in the fight against cancer.

'51

**Lloyd Morris** has been named manager of production and development for Western Decalta Petroleum Limited.

The new assistant supervisor for crop protection and pest control in the provincial field crops branch of the department of agriculture is **L. K. Peterson**.

**Ian W. Duncan** has been named to succeed **J. E. Webb** as superintendent of buildings and grounds at the University of Alberta in Calgary.

'52

A doctor's degree in Philosophy from the University of Illinois has been conferred on **William A. Preshing**. Dr. Preshing is currently associated with the department of commerce at the University of Alberta in Calgary.

**Dr. Solomon Berg** has been selected to head the department of urology at Beth Israel Hospital in Boston.

'53

**Robert W. Losie** has been appointed controller of Prairie Pacific Distributors Western Limited.

'57

**Dr. J. E. Klován** is an associate professor in the departments of computer science and geology at the University of Manitoba.

His duties at the University involve the application of computers to statistical analysis of data as well as continued research in geology.

**Adolph W. Goettel** is now supervisor of the new soils division of the field crops branch (Alberta). He recently completed



#### ON BEHALF OF THE GOLDEN GRADS

A distinguished member of the golden class of 1916, **Dr. H. A. Dyde**, responded to the toast to the golden graduates at the Homecoming Banquet and Ball in February. As this too was the golden anniversary year of the establishment of a School of Accountancy on the Edmonton campus it was thought appropriate to commemorate the event with a "ship of Trade and Commerce" sculptured in ice, and symbolic of the faculty of Business Administration and Commerce. Seated behind the "schooner" which centred the head table, and alongside Dr. Dyde are **Dr. Jack Bradley**, President of the Alumni Association; **Dr. H. S. Armstrong**, President of U.A.C., **Mrs. Walter Johns**, **Dr. Jack Neilson**, and **Mrs. H. Harries**.

#### DEATHS

**Dr. G. Fred McNally '11**—former Chancellor of the University and known to thousands of Canadians as "Mr. Education".

**Charles (Cy) Becker '20**—veteran bush pilot and Edmonton lawyer.

**Dr. Robert W. Hedley '23**—the recipient of an honorary doctor of laws degree from the University in 1953.

**Miss Kathleen M. MacNab '24**—long-time Edmonton high school teacher.

**Stan Bosmans '28**—well-known resident of the Camrose and Round Hill area.

**John I. Grodeland '41**—employment supervisor of the National Employment Service in Edmonton.

**Herbert G. Thompson '58**—a partner in the Edmonton law firm of Clement, Parlee, Irving, Mustard and Rodney.

**H. P. Brown**—a member of the University's extension department from 1917 to 1952.



#### A PAIR OF PATTERSONS

Three practising lawyers, two of them by the name of Patterson, met at Homecoming to review to 50 years which had elapsed since graduation. Seen with Dr. Jack Bradley, President of the Alumni Association (left) are: Guy Patterson, Arts 1916, Grande Prairie; Dr. H. A. Dyde, Arts 1916, Edmonton; and D. W. Patterson, LL.B. 1916, Edmonton.



#### 1916-1966

A poignant moment was recorded at the Alumni Homecoming Banquet and Ball in February when the only lady member present of the golden graduating class, Miss Amelia Lobb, Arts 1916, Edmonton, stepped forward and shook hands with President Walter H. Johns as he presented her with a memento of the occasion, an engraved gold tray.

a Colombo Plan assignment on land use study in a remote tribal area of East Pakistan.

**Dr. Vernon R. Fanning** has been appointed a resident in dermatology at the Mayo Graduate School of Medicine.

'58

Now a resident of Grand Cayman, a British colony 200 miles from Cuba, **Jim Macdonald** not only is still engaged in a busy law practice, but also finds time to publish one of the island's newspapers that he recently purchased.

'59

**Victor A. Snieckus** who received a Ph.D. degree in organic chemistry from the University of Oregon recently, has accepted a position as post-doctoral fellow at the National Research Council in Ottawa.

**Dr. Gordon Neufeld** and **Mrs. Neufeld** (nee Lynne Farnham) both of the class of 1959 are presently living in Long Island, New York. Dr. Neufeld is with Airborne Instruments.

'60

Three University graduates have been awarded scholarships for study towards a degree of master of business administration.

They are **Allan R. McKay**, **Ivan Kraemer** (1962) and **R. Geoffrey Walsh**. All three plan to attend the University of Western Ontario.

A Ph.D. degree in nuclear physics from McMaster's University, has been placed with **Norman Archer**.

'61

**M. G. Checknita** has been appointed assistant superintendent with C.M. & S. in Kimberley.

'62

**R. F. J. (Peter) Brewster** has been appointed editor of the Edmonton Journal's business and finance department.

**Paul Canter** is assistant secretary of World University Service of Canada.

**Peter W. Gilderson** has accepted an assignment in New York with Shell Chemical Company.

'63

**Miss Paddy Farnham** expects to finish her master's degree in French this year at the University of Oregon where she is currently on staff as an assistant in French.

The second place in a drama competition involving 200 college entries in the United States was recently awarded to **John W. Somers**.

**Gary G. Cioni**, solicitor and deputy-clerk and deputy-sheriff in Calgary, has been appointed court clerk and sheriff for the Edmonton judicial district.



